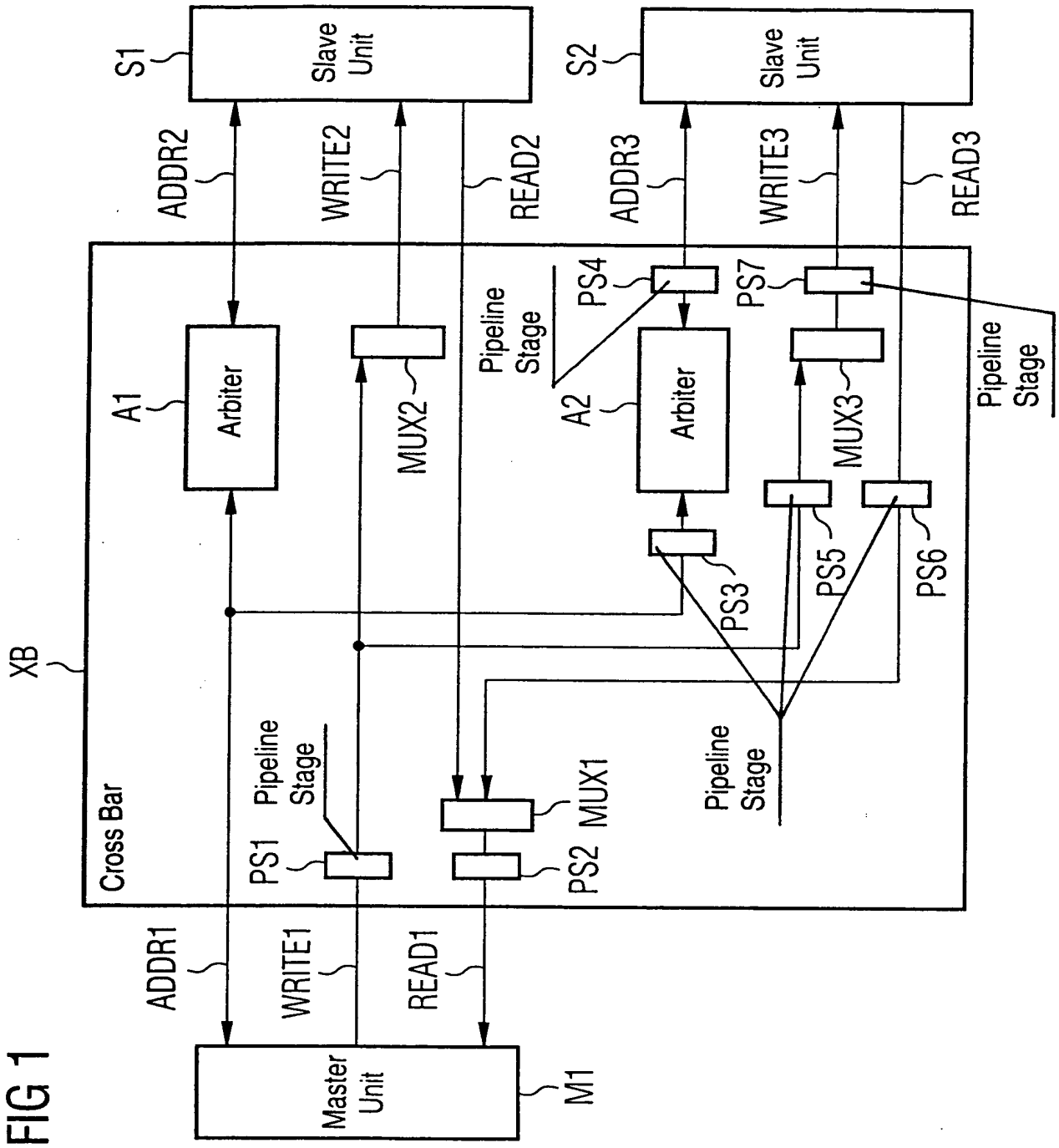
S1
Slave Unit
S2
Slave Unit
ADDR2
WRITE2
READ2
ADDR3
WRITE3
READ3
XB
Cross Bar
A1
Arbiter
MUX2
Pipeline Stage
PS4
PS7
A2
Arbiter
MUX3
Pipeline Stage
PS3
PS5
PS6
Pipeline Stage
Pipeline Stage
PS1
MUX1
PS2
ADDR1
WRITE1
READ1
Master Unit
M1

FIG 1
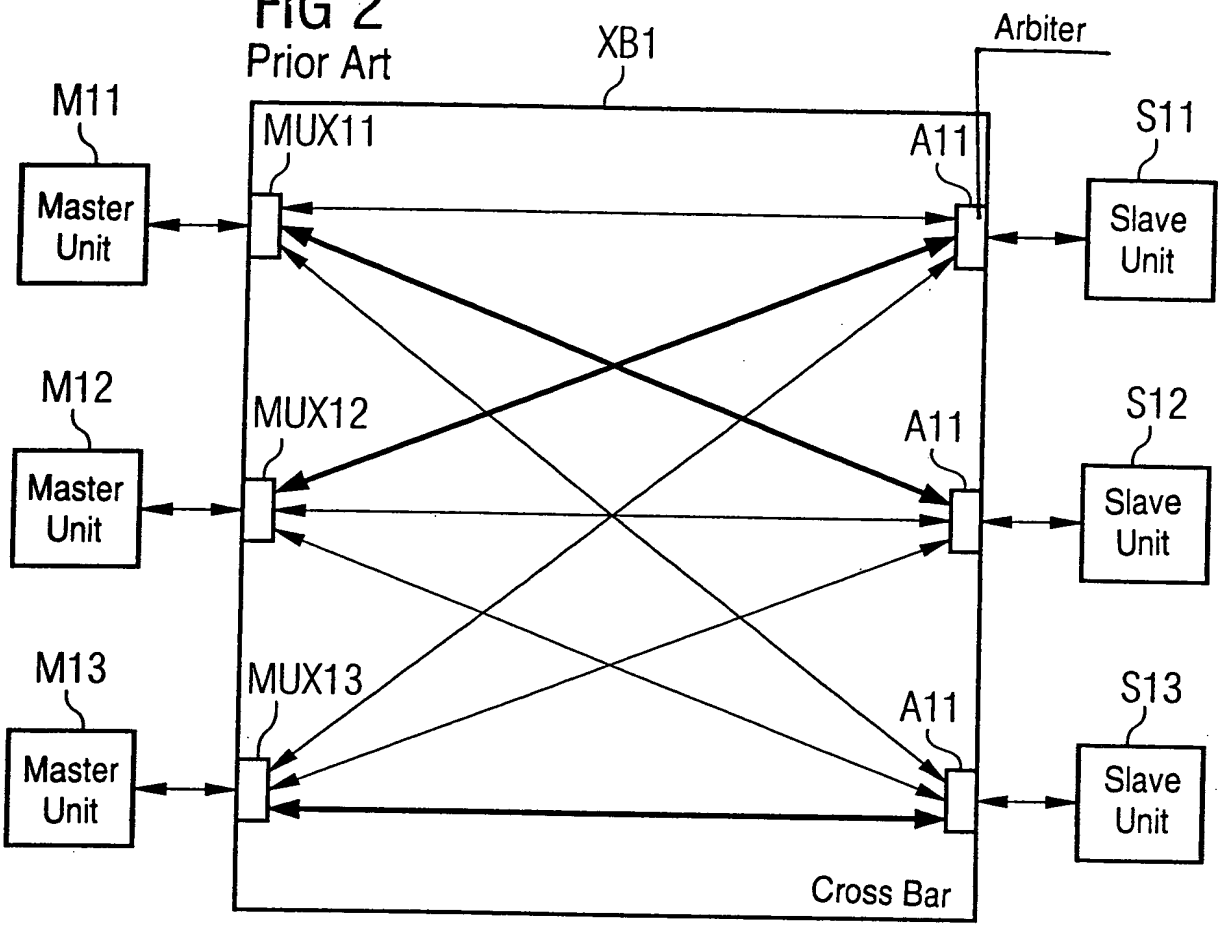
FIG 2
Prior Art